

Kansas State Fire Marshal Prevention Division

PROPANE FIRE FACT NO. 001

CHECKLIST(s) : 58A TITLE :

LPG –GAS STORAGE, TRANSFER, OPERATION

ITEM(s) : 58-A 28

REFERENCE(s) : 6.5.3

Where a portable container is filled, or where a container is fixed and the filling connection of a fixed container is remote from the container, hazards exist outside of the standard container separation distances. Table 6.5.3 is the table that is used to determine distances if the point of transfer is not located at the container.

Table 6.5.3

Part	Exposure	Minimum Horizontal Distance (FEET)
A.	Building 1 with fire-resistive walls	10
B.	Building with other than fire-resistive walls 2	25
C.	Building wall openings or pits at or below the level of the point of transfer	25
D.	Line of adjoining property than can be built on	25
E.	Outdoor places of public assembly-school yards, athletic fields, playgrounds	50
F.	Public ways-streets, highways, sidewalks, thoroughfares	
	a. From point of transfer in LPG dispensing stations and vehicle fuel dispensers	10
	b. From other points of transfer	25
G.	Driveways 4	5
H.	Mainline railroad tracks centerlines	25
I.	Containers-other than those being filled	10
J.	Flammable and Class 2 combustible liquids dispensers	10
	Dispensers and aboveground and underground containers	20

Notes:

- Buildings, for the purpose of the table, include structures such as mobile homes, tents, and box trailers at construction sites.
- Walls constructed of noncombustible materials having, as erected, a fire resistance rating of at least one hour as determined by NFPA 251.
- Not applicable to driveways and points of transfer at vehicle fuel dispensers.
- Not applicable to filling connections at the storage container or to dispensing vehicle fuel dispensers units 2000 gallon wc or less when used for filling containers not mounted upon vehicles.
- NFPA 30 defines these as follows: Flammable liquids including those having a flash point below 100 F and having a vapor pressure not exceeding 40 lb per sq. in. (absolute) at 100 F. Class II combustible liquids include those having a flash point at or above 100 F and below 140 F.